

# FireLock® Automatic Sprinkler Wrenches

Victaulic® provides a variety of wrenches to speed and ease sprinkler installation. Each wrench is designed to fit the particular sprinkler frame style identified. These wrenches should only be used for installation of the designated style sprinkler and no other type wrench should be used or warranty is void.

Most Victaulic sprinklers have a unique hex-head design to allow wrench engagement from a greater variety of angles and positions than conventional sprinklers.

In addition to standard offset open end wrenches, there is a socket for some sizes and open sided specialized wrenches for recessed or concealed installation.



MODEL V27-1  
RECESSED



MODEL V29  
CONCEALED



MODEL V27  
OPEN END



MODEL V34  
RECESSED



MODEL V36  
RECESSED/CONCEALED  
(USED WITH MODELS V36  
OR V39 SPRINKLERS)



MODELS V34 & V36  
OPEN END  
(USED WITH MODELS V34 OR V36 SPRINKLERS)



MODEL V38-5 OR MODEL V29-1  
TEE HANDLE SOCKET



MODEL V38-4  
SOCKET CONCEALED



MODEL V39  
CONCEALED

**JOB/OWNER**

System No. \_\_\_\_\_

Location \_\_\_\_\_

**CONTRACTOR**

Submitted By \_\_\_\_\_

Date \_\_\_\_\_

**ENGINEER**

Spec Sect \_\_\_\_\_ Para \_\_\_\_\_

Approved \_\_\_\_\_

Date \_\_\_\_\_

# FireLock® Automatic Sprinkler Wrenches

## AVAILABLE WRENCHES

Frame	Wrench Style/Wrench Model			
	Open End	Recessed	Concealed	Tee-Handle
V25	V27	V27-1	—	—
V27	V27	V27-1	V39	—
V29	—	—	—	V29-1
V34	V34	V34	—	—
V36	V36	V36	V36	—
V38	—	—	V38-4	V38-5
V39	—	—	V39	—
K1	V34	—	—	—
V10	Use any commercially available wrench			

## ORDERING INFORMATION

Please specify the following when ordering:

Sprinkler Model Number	
Style	
Thread Size	
Quantity	
Wrench Model Number	

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## FireLock® Automatic Sprinkler Wrenches

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### MATERIAL SPECIFICATIONS

**Open End:** Ductile iron casting - machined and painted black

**Recessed/Concealed:** Stainless steel per UNS S30400 or steel per UNS G41400.

**Socket:** Stainless steel per UNS S30400 or steel per UNS G41400 or cold rolled steel.

**NOTE:** All wrenches are painted black except stainless steel.

## FireLock® Automatic Sprinkler Wrenches

### PROPER USE

#### CONCEALED/RECESSED WRENCHES

These wrenches also bare a raised line on the solid side of the wrench, which corresponds to the frame arm of the sprinkler. Carefully position the open side of the wrench over the frame arm mid way between the deflector (be careful of deflector and bulb) and wrench boss. Once the wrench opening touches the frame arm, position the wrench onto the wrench boss. Be sure the wrench only engages on the wrench boss. Once the wrench is completely seated on the wrench boss the deflector is protected from damage during proper use. Tighten the sprinkler into the fitting for a leak tight fit using the line on the wrench and the sprinkler frame arm for desired alignment. Remove the wrench. These wrenches can only engage the wrench boss when parallel to the frame arms.

#### OPEN END WRENCHES

Open end wrenches have a raised rib in the wrench opening which engages the throat of the sprinkler frame between the NPT thread and the wrench boss. Slip the wrench onto the sprinkler frame (be careful of the deflector and bulb) such that the rib engages the frame as previously described. Tighten the sprinkler into the fitting for a leak tight fit using the sprinkler frame arm for desired alignment. Remove the wrench.

Open end wrenches can safely engage the V27 and V34 frames on any two opposing wrench flats due the hex design (a total of six acceptable positions). The V34 wrench will only engage the K1, V25, and V36 frames on only one pair of wrench flats as there is only one pair of flats available on this frame (a total of two acceptable positions).

NOTE: The V36 open end wrench also has a rib in the wrench opening. This rib lays on the deflector side of the wrench boss instead of the throat due to the larger throat diameter. The wrench engages only the wrench boss, similar to the V27 and V34.

#### SOCKET AND TEE-HANDLE WRENCHES

The V38-4, V38-5, V29, and V29-1 wrenches are all socket style wrenches designed to engage a special wrenching surface of the sprinkler assembly. The V38-4 and V38-5 socket wrenches are designed to engage the slots in the base of the cup, which is crimped on a V38 concealed sprinkler. These wrenches will not work on the old style, threaded on a V38 cup. Slip the wrench axially down over the sprinkler into the V38 sprinkler cup and rotate until the wrench tabs slide into the slots in the cup. Tighten the sprinkler and gently remove the wrench. The V29 and V29-1 wrenches are also socket-style wrenches. These wrenches engage special wrenching tabs cast onto the V29 sprinkler frame. Slip the wrench axially down over the V29 sprinkler with the protective cap in place and rotate until the slots in the wrench engage the wrenching tabs. Tighten the sprinkler and gently remove the wrench. The V38-4 and V29 wrenches are designed for use with standard 1/2-inch drive ratchet wrenches and are suitable for repeated use. The V38-5 and V29-1 wrenches are Tee-Handle style, lightweight wrenches designed for occasional sprinkler replacement and can be stored in the spare sprinkler cabinet.

## FireLock® Automatic Sprinkler Wrenches

### PROPER WRENCH ENGAGEMENT

#### **⚠ CAUTION**

- Make sure the proper wrench engages **ONLY** the wrench boss of the sprinkler and not the frame, deflector or bulb.
- **DO NOT** handle sprinklers by the deflector.
- **DO NOT** exceed the assembly torque specified in the I-40 Sprinkler Installation & Maintenance sheet that is shipped with the product.

Failure to follow these instructions could cause damage to sprinkler components, resulting in improper spray pattern, leakage, non-operation, and property damage.



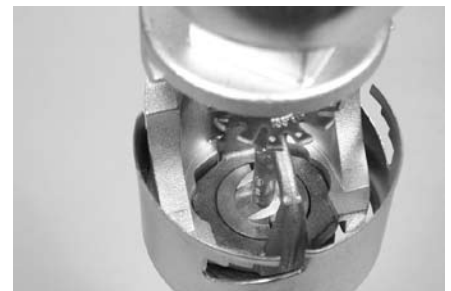
CORRECT ENGAGEMENT FOR  
MODEL V27-1 RECESSED WRENCH



CORRECT ENGAGEMENT FOR MODEL V27 AND  
MODEL V34 OPEN-END WRENCH



CORRECT ENGAGEMENT FOR  
MODEL V36 OPEN-END WRENCH



CORRECT ENGAGEMENT FOR MODEL V36  
CONCEALED/RECESSED WRENCH

## FireLock® Automatic Sprinkler Wrenches

### PROPER WRENCH ENGAGEMENT

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- Make sure the proper wrench engages **ONLY** the wrench boss of the sprinkler and not the frame, deflector or bulb.
- **DO NOT** handle sprinklers by the deflector.
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CORRECT ENGAGEMENT FOR MODEL V34  
RECESSED WRENCH



CORRECT ENGAGEMENT FOR MODEL V29  
SOCKET WRENCH



CORRECT ENGAGEMENT FOR  
MODEL V36 RECESSED WRENCH



CORRECT ENGAGEMENT FOR MODEL V39 WRENCH  
ON V27 CONCEALED SPRINKLER

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## FireLock® Automatic Sprinkler Wrenches

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**WARRANTY**

Refer to the Warranty section of the current Price List or contact Victaulic for details.

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**NOTE**

This product shall be manufactured by Victaulic or to Victaulic specifications. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.

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For complete contact information, visit [www.victaulic.com](http://www.victaulic.com)

40.80 2559 REV E UPDATED 7/2007

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